# Model ML6535-R6P Metal Mount RFID Tag Specifications & Data Sheet

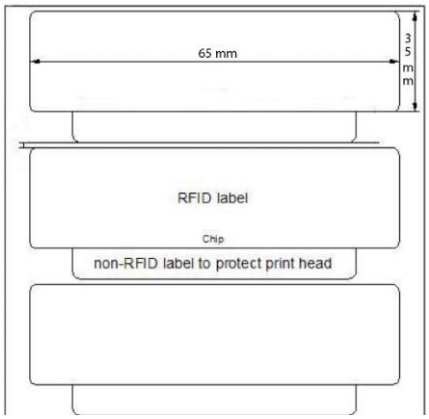
RFID, Inc.'s Model ML6535-R6P is a label specifically designed to be mounted on metal. Its ferrous backing provides an RF reflection property but also raises the label off metal slightly yet retains a profile thin enough to be processed through an RFID enabled printer.

| Model Number | Part Number | Description | Read Range (on metal) |
|---|---|---|---|
| ML6535-R6P | 807-0020-ML6535-R6P | Model ML6535-R6P Metal Mount UHF RFID Tag | A99H Antenna – 25'<br>A55C Antenna – 17'<br>A64C Antenna – 8' |

| | | | |
|---|---|---|---|
| **Mechanical:** | Measurements: | 65x35x1mm | 2.56" x 1.38" x .03" |
| | Material: | White Thermal Transfer PET | High Performance Adhesive |
| | Weight: | .112 ounces | .046 Grams |
| **Certifications:** | RoHS III | REACH | CE |
| | FCC Part 15 & ETSI | ATEX compliant, SIL2 | Free of BBP, DEHP, DBP, DIBP |

| | | | |
|---|---|---|---|
| **Impinj Monza R6P:** | TID – 96 bits | EPC – Up to 128 bits | User Memory – Up to 64 bits |
| **RF:** | Standard: | EPC Class1 Gen2 | ISO 18000-6C |
| | Frequency: | 902 – 928 MHz (North America) | 860 – 870 MHz (EU, Japan) |
| | Power: | Passive, no Battery | Powered by Reader RF Signal |
| Chip Options (page 2): | TID – 32 to 208 bits | EPC – 0 to 496 bits | User – 0 to 61,400 bits |

| | | | |
|---|---|---|---|
| **Environmental:** | Storage Temp: | -40°F to +185°F | -40°C to+ 85°C |
| | Temp, Operating: | -40°F to +185°F | -40°C to +85°C |
| | Life: | 40 Year Shelf Life | 100k Writes |
| | Ingress Protection: | IP65 | |

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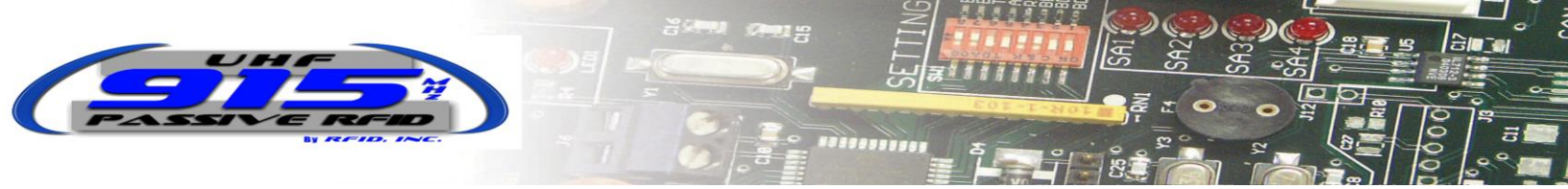


**Available UHF Memory Chips:**

| **Alien** | TID (ROM) | UID (EPC) | User Memory |
|---|---|---|---|
| **Higgs3** | 64 bits | 96 to 480 bits | 512 bits |
| **Higgs4** | 64 bits | 128 bits | 128 bits |
| **HiggsEC** | 48 bits | 96-128 bits | 128 bits |
| **Higgs9** | 48 bits | 496 bits | 688 bits |
| **EM** | TID (ROM) | UID (EPC) | User Memory |
| **EM4123** | 64 bits | 0 bits | 0 bits |
| **EM4124** | 64 bits | 96 bits | 0 bits |
| **EM4126** | 32 bits | 208 bits | 0 bits |
| **EM4324** | 64 bits | 96 bits | 720 bits |
| **EM4325** | 48 bits | 352 bits | 3072 bits |
| **EM4423 dual HF NFC/UHF** | 96 bits | 64-160 bits | 0 bits |
| **EM4425 dual HF NFC/UHF** | 96 bits | Up to 480 bits | Up to 2048 bits less EPC |
| **Fujitsu (FRAM)** | TID (ROM) | UID (EPC) | User Memory |
| **MB97R88110** | 208 bits | 480 bits | 61,400 bits |
| **MB97R88120/8130** | 208 bits | 480 bits | 61,400 bits |
| **MB97R8050** | 176 bits | 160 bits | 0 bits |
| **Impinj** | TID (ROM) | UID (EPC) | User Memory |
| **M4D** | 96 bits | Up to 128 bits | 32 bits |
| **M4E** | 96 bits | Up to 496 bits | 128 bits |
| **M4QT** | 96 bits | Up to 128 bits | 512 bits |
| **M4i** | 96 bits | Up to 256 bits | 480 bits |
| **MX-8k** | 96 bits | Up to 128 bits | 8,192 bits |
| **Monza R6P** | 96 bits | Up to 128 bits | Up to 64 bits |
| **Monza R6** | 96 bits | 96 bits | 0 bits |
| **Monza R6A** | 96 bits | 96 bits | 0 bits |
| **Monza R6B** | 96 bits | Up to 128 bits | 32 bits |
| **Monza 5** | 96 bits | 128 bits | 32 bits |
| **M730** | 96 bits | 128 bits | 0 bits |
| **M750** | 96 bits | 96 bits | 32 bits |
| **NXP** | TID (ROM) | UID (EPC) | User Memory |
| **UCODE 7** | 48 bits | 128 bits | 0 bits |
| **UCODE 7m** | 48 bits | 128 bits | 32 bits |
| **UCODE 7xm** | 48 bits | 448 bits | 1024 bits |
| **UCODE 7xm+** | 48 bits | 448 bits | 2048 bits |
| **UCODE 8** | 96 bits | 128 bits | 0 bits |
| **UCODE 8m** | 96 bits | 96 bits | 32 bits |
| **UCODE 9** | 96 bits | 96 bits | 0 bits |
| **UCODE G2iL & G2iL+** | 64 bits | 128 bits | 0 bits |
| **UCODE G2iM** | 96 bits | 256 bits | 512 bits |
| **UCODE G2iM+** | 96 bits | Up to 448 bits | Up to 640 bits |
| **UCODE G2XM** | 64 bits | 240 bits | 512 bits |
| **UCODE G2XL** | 64 bits | 240 bits | 0 bits |
| **UCODE HSL** | 64 bits | 0 bits | 1680 bits |